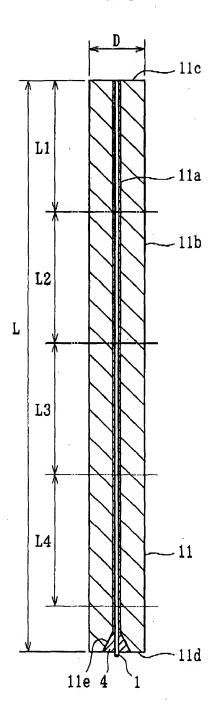
1/10 FIG.1



2/10 FIG.2 (A)

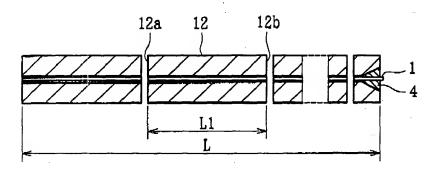


FIG.2 (B)

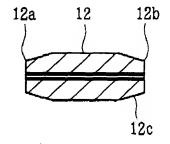
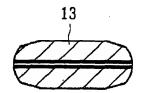
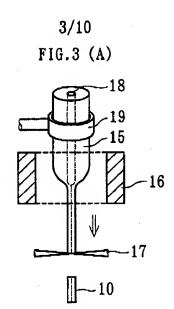
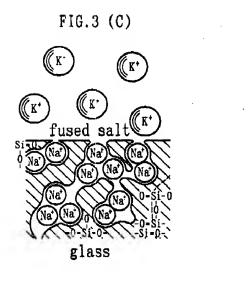
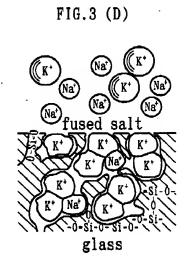


FIG.2 (C)









4/10 FIG.4 (A)

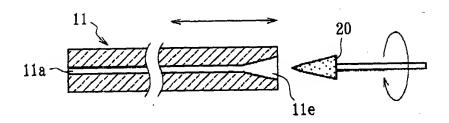


FIG.4 (B)

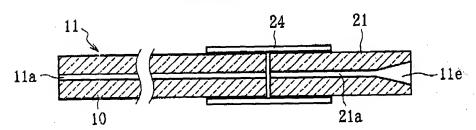
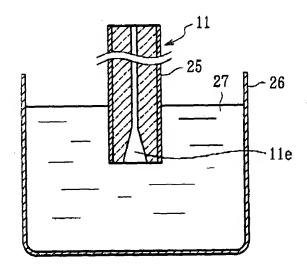
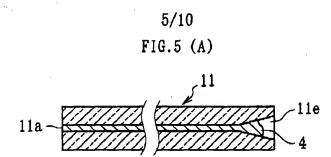
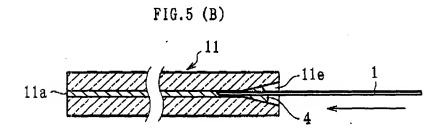


FIG.4 (C)









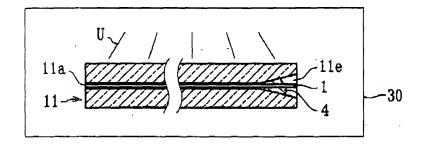


FIG.5 (D)

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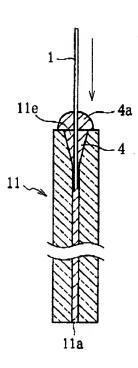
11

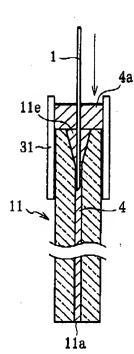
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11e

FIG.6 (A)







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7/10 FIG.7 (A)

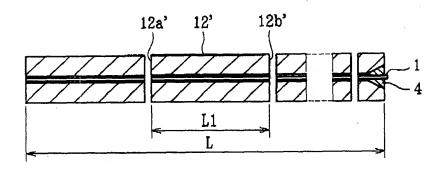


FIG.7 (B)

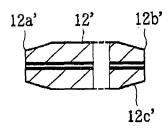


FIG.7 (C)

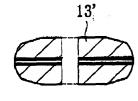


FIG.7 (D)

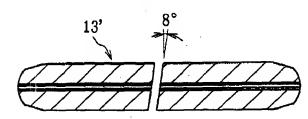
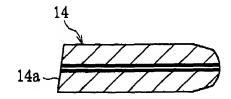


FIG.7 (E)



8/10 FIG.8 (A) (PRIOR ART)

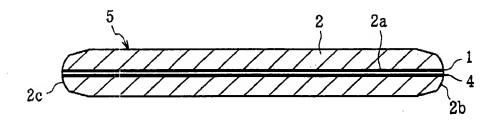


FIG.8 (B) (PRIOR ART)

FIG.8 (C) (PRIOR ART)

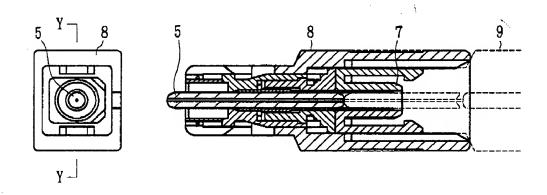
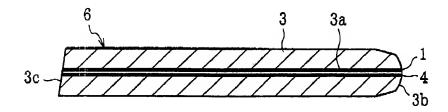


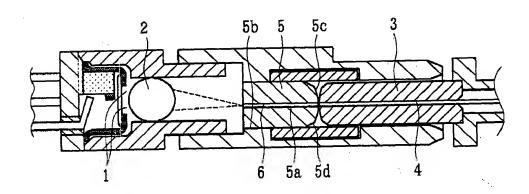
FIG.9 (PRIOR ART)



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1.5

9/10 FIG.10 (PRIOR ART)



10/10 FIG.11 (A) (PRIOR ART)

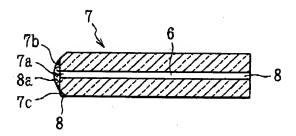
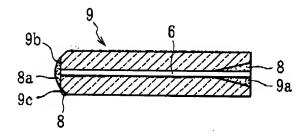


FIG.11 (B) (PRIOR ART)



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_	3

				Sample No.		
		1	2	3	7	10
	$SiO_2$	57.8	66.3	67.4	64.3	65.9
	A1203	24.6	18.2	16.6	18.0	18.2
	$Li_2O$	2.7	2.3	2.3	2.5	2.0
	K20	7.0	3.4	3.5	5.0	3.4
	$TiO_2$	2.8	1.8	3.0	3.0	1.5
Composition	$ZrO_2$	3.2	1.8	1.8	2.0	1.8
(Weight %)	ZnO	1.0	3.1	2.0	3.1	9 6
	MgO	Į	1.0	1.0	1.0	1.5
	Ca0	I	ı	ì	0.4	0.6
	BaO	Į	1	1	0.5	1.4
	$B_2O_2$	1	ı	2.0	ı	1
	Na <sub>2</sub> O	0.4	l	l	I	1
	$P_2O_5$	ı	ı	0.4		I
	A82O3	0.5	ı	J	0.2	· •
	Bi <sub>2</sub> O <sub>3</sub>	ı	2.1	İ	1	; 1
Condition of cryst	tallization					
(c C)				.;		
Temperature of nucleation	ucleation	780	780	790	780	780
Temperature of crystal growth	rystal growth	1000	1000	980	1050	1000
Main crystal	ystal	$\beta$ -silica	$\beta$ -spodumene	$\beta$ spodumene	$\beta$ -spodumene	B spodumene
		solid solution	solid solution	solid solution	solid solution	solid solution